

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
New Jersey		
NERC Region(s)		MAAC
Primary Energy Source		Nuclear
Net Summer Capability (megawatts)	18,647	21
Electric Utilities	1,244	42
Independent Power Producers & Combined Heat and Power	17,401	6
Net Generation (megawatthours)	57,399,351	24
Electric Utilities	1,910,115	44
Independent Power Producers & Combined Heat and Power	55,489,236	6
Emissions (thousand metric tons)		
Sulfur Dioxide	49	34
Nitrogen Oxide	32	38
Carbon Dioxide	20,194	37
Sulfur Dioxide (lbs/MWh)	1.9	42
Nitrogen Oxide (lbs/MWh)	1.2	43
Carbon Dioxide (lbs/MWh)	776	45
Total Retail Sales (megawatthours)	76,382,512	19
Full Service Provider Sales (megawatthours)	69,668,164	20
Deregulated Sales (megawatthours)	6,714,348	10
Direct Use (megawatthours)	2,404,390	19
Average Retail Price (cents/kWh)	9.48	11

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
New Jersey			
1. PSEG Salem Generating Station	Other, Nuclear	PSEG Nuclear LLC	2,278
2. Bergen	Other, Gas	PSEG Fossil LLC	1,242
3. PSEG Hope Creek Generating Station	Nuclear	PSEG Nuclear LLC	1,049
4. PSEG Hudson Generating Station	Gas, Petroleum, Coal	PSEG Fossil LLC	991
5. Linden Cogen Plant	Petroleum, Other, Gas	Cogen Technologies Linden Vent	900
6. PSEG Burlington Generating Station	Other, Gas	PSEG Fossil LLC	802
7. AES Red Oak LLC	Gas	AES Red Oak LLC	792
8. PSEG Mercer Generating Station	Other, Gas, Coal	PSEG Fossil LLC	777
9. PSEG Linden Generating Station	Other, Gas	PSEG Fossil LLC	775
10. PSEG Kearny Generating Station	Petroleum, Other, Gas	PSEG Fossil LLC	764

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
New Jersey						
1. Public Service Elec & Gas Co.....	Investor-Owned	38,766,006	12,792,377	20,680,408	5,157,335	135,886
2. Jersey Central Power&Light Co.....	Investor-Owned	18,786,247	8,681,223	7,904,461	2,200,563	0
3. Atlantic City Electric Co.....	Investor-Owned	8,559,693	4,207,502	3,663,024	689,167	0
4. WPS Energy Services.....	Power Marketer	1,658,580	0	0	1,658,580	0
5. Rockland Electric Co.....	Investor-Owned	1,513,906	703,616	754,116	56,174	0
Total Sales, Top Five Providers.....		69,284,432	26,384,718	33,002,009	9,761,819	135,886
Percent of Total State Sales.....		91	96	90	80	74

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
New Jersey							
Electric Utilities.....	13,500	13,390	1,244	-23.3	81.5	80.6	6.7
Coal.....	1,634	1,658	387	-14.8	9.9	10.0	2.1
Petroleum.....	2,827	2,490	286	-22.5	17.1	15.0	1.5
Natural Gas.....	2,763	1,904	0	NM	16.7	11.5	.0
Dual Fired.....	2,034	3,076	171	-24.1	12.3	18.5	.9
Nuclear	3,862	3,862	0	NM	23.3	23.2	.0
Pumped Storage	380	400	400	.6	2.3	2.4	2.1
Independent Power Producers and Combined							
Heat and Power	3,056	3,232	17,401	21.3	18.5	19.4	93.3
Coal.....	483	483	1,737	15.3	2.9	2.9	9.3
Petroleum.....	1	23	1,867	130.9	*	.1	10.0
Natural Gas.....	316	667	2,871	27.8	1.9	4.0	15.4
Other Gases	0	22	21	NM	.0	.1	.1
Dual Fired.....	2,074	1,833	6,783	14.1	12.5	11.0	36.4
Nuclear	0	0	3,908	NM	.0	.0	21.0
Hydroelectric	13	13	14	.8	.1	.1	.1
Other Renewables	169	187	200	1.9	1.0	1.1	1.1
Other	0	4	0	NM	.0	*	.0
Total Electric Industry.....	16,556	16,622	18,647	1.3	100.0	100.0	100.0
Coal.....	2,117	2,141	2,124	*	12.8	12.9	11.4
Petroleum.....	2,828	2,513	2,153	-3.0	17.1	15.1	11.5
Natural Gas.....	3,079	2,571	2,872	- .8	18.6	15.5	15.4
Other Gases	0	22	21	NM	.0	.1	.1
Dual Fired.....	4,108	4,909	6,955	6.0	24.8	29.5	37.3
Nuclear	3,862	3,862	3,908	.1	23.3	23.2	21.0
Hydroelectric	13	13	14	.8	.1	.1	.1
Other Renewables	169	187	200	1.9	1.0	1.1	1.1
Pumped Storage	380	400	400	.6	2.3	2.4	2.1
Other	0	4	0	NM	.0	*	.0

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
New Jersey							
Electric Utilities.....	31,931,596	35,911,086	1,910,115	-26.9	65.9	66.7	3.3
Coal.....	4,646,622	5,586,357	1,792,734	-10.0	9.6	10.4	3.1
Petroleum.....	1,656,066	484,998	209,017	-20.5	3.4	.9	.4
Natural Gas.....	3,666,307	2,853,825	28,246	-41.8	7.6	5.3	*
Nuclear	22,129,335	27,132,139	0	NM	45.7	50.4	.0
Pumped Storage	-166,734	-146,233	-119,882	NM	-.3	-.3	-.2
Independent Power Producers and Combined							
Heat and Power	16,503,746	17,946,547	55,489,236	14.4	34.1	33.3	96.7
Coal.....	1,025,589	2,058,869	7,996,829	25.6	2.1	3.8	13.9
Petroleum.....	700,662	244,875	1,332,535	7.4	1.4	.5	2.3
Natural Gas.....	13,525,521	13,627,001	14,747,331	1.0	27.9	25.3	25.7
Other Gases	101,509	659,128	255,374	10.8	.2	1.2	.4
Nuclear	0	0	29,709,201	NM	.0	.0	51.8
Hydroelectric	15,083	20,670	38,891	11.1	*	*	.1
Other Renewables	1,135,382	1,310,817	1,398,532	2.3	2.3	2.4	2.4
Other	0	25,187	10,543	NM	.0	*	*
Total Electric Industry.....	48,435,342	53,857,633	57,399,351	1.9	100.0	100.0	100.0
Coal.....	5,672,211	7,645,226	9,789,563	6.3	11.7	14.2	17.1
Petroleum.....	2,356,728	729,873	1,541,552	-4.6	4.9	1.4	2.7
Natural Gas.....	17,191,828	16,480,826	14,775,577	-1.7	35.5	30.6	25.7
Other Gases	101,509	659,128	255,374	10.8	.2	1.2	.4
Nuclear	22,129,335	27,132,139	29,709,201	3.3	45.7	50.4	51.8
Hydroelectric	15,083	20,670	38,891	11.1	*	*	.1
Other Renewables	1,135,382	1,310,817	1,398,532	2.3	2.3	2.4	2.4
Pumped Storage	-166,734	-146,233	-119,882	NM	-.3	-.3	-.2
Other	0	25,187	10,543	NM	.0	*	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
New Jersey				
Coal (cents per million Btu).....	181.7	159.0	179.6	-0.1
Average heat value (Btu per pound).....	13,341	13,113	13,056	-.2
Average sulfur Content (percent).....	1.3	1.1	1.1	-1.6
Petroleum (cents per million Btu).....	290.2	242.2	604.0	8.5
Average heat value (Btu per gallon).....	148,378	148,656	139,250	-.7
Average sulfur Content (percent).....	.4	.4	.2	-9.4
Natural Gas (cents per million Btu).....	209.6	262.0	619.6	12.8
Average heat value (Btu per cubic foot).....	1,035	1,045	1,036	*

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
New Jersey				
Sulfur Dioxide				
Coal	46	40	46	0.1
Petroleum	5	3	3	-7.1
Natural Gas	*	*	*	-9.5
Other	*	*	*	-5.3
Total	51	43	49	-5
Nitrogen Oxide				
Coal	25	30	22	-1.5
Petroleum	3	1	1	-7.9
Gas	14	16	4	-12.7
Other	3	3	4	6.1
Total	45	50	32	-3.7
Carbon Dioxide				
Coal	5,840	7,967	9,837	6.0
Petroleum	2,167	756	1,475	-4.2
Gas	9,733	9,207	8,170	-1.9
Geothermal	—	—	—	NM
Other	231	243	712	13.3
Total	17,971	18,173	20,194	1.3

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
New Jersey							
Retail Sales (thousand megawatthours)							
Residential.....	22,154	23,191	27,367	2.4	33.4	34.0	35.8
Commercial.....	29,358	31,127	36,616	2.5	44.3	45.7	47.9
Industrial.....	14,251	13,339	12,215	-1.7	21.5	19.6	16.0
Other.....	495	504	NA	NM	.8	.7	NA
Transportation.....	NA	NA	184	NM	NA	NA	.2
Total.....	66,258	68,162	76,383	1.6	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	2,556	2,642	2,921	1.5	38.3	38.1	40.3
Commercial.....	2,889	3,141	3,335	1.6	43.3	45.3	46.0
Industrial.....	1,132	1,059	976	-1.6	17.0	15.3	13.5
Other.....	88	90	NA	NM	1.3	1.3	NA
Transportation.....	NA	NA	13	NM	NA	NA	.2
Total.....	6,665	6,932	7,245	.9	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	11.54	11.39	10.67	- .9	NA	NA	NA
Commercial.....	9.84	10.09	9.11	- .8	NA	NA	NA
Industrial.....	7.94	7.94	7.99	.1	NA	NA	NA
Other.....	17.70	17.92	NA	NM	NA	NA	NA
Transportation.....	NA	NA	7.15	NM	NA	NA	NA
Total.....	10.06	10.17	9.48	- .7	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Jersey								
Number of Entities.....	4	9	NA	1	6	12	5	37
Number of Retail Customers.....	3,624,915	56,447	NA	11,267	7	45,061	NA	3,737,697
Retail Sales (thousand megawatthours)	67,419	996	NA	143	1,110	6,714	NA	76,383
Percentage of Retail Sales	88.27	1.30	NA	.19	1.45	8.79	NA	100.00
Revenue from Retail Sales (million dollars)	6,461	102	NA	16	78	354	233	7,245
Percentage of Revenue.....	89.19	1.41	NA	.22	1.08	4.88	3.22	100.00
Average Retail Price (cents/kWh).....	9.58	10.25	NA	10.96	7.04	5.27	3.48	9.48

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.